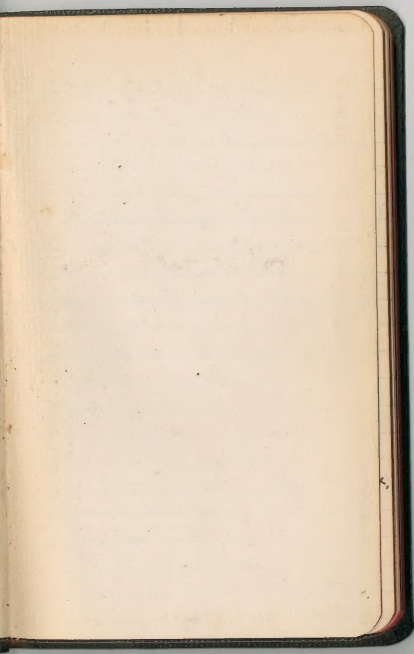
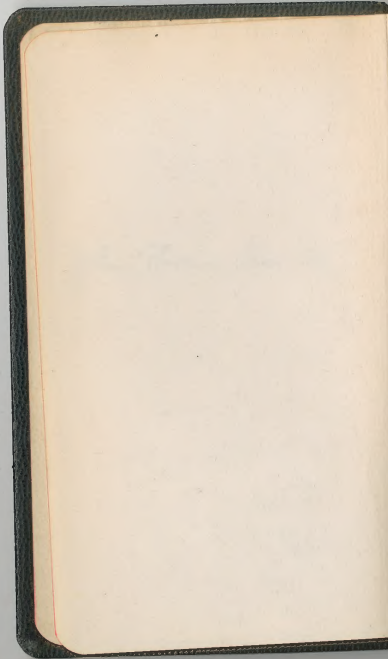
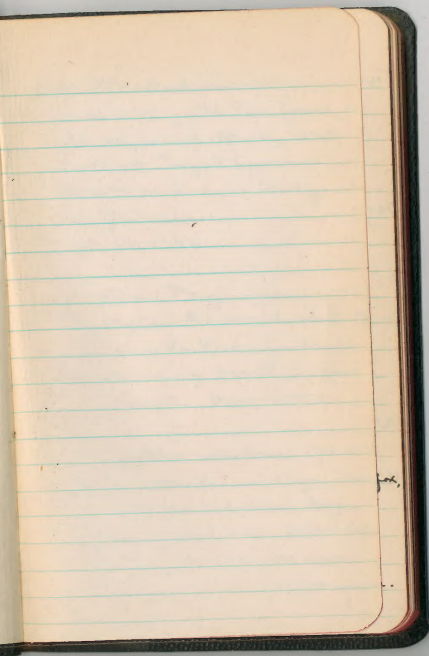


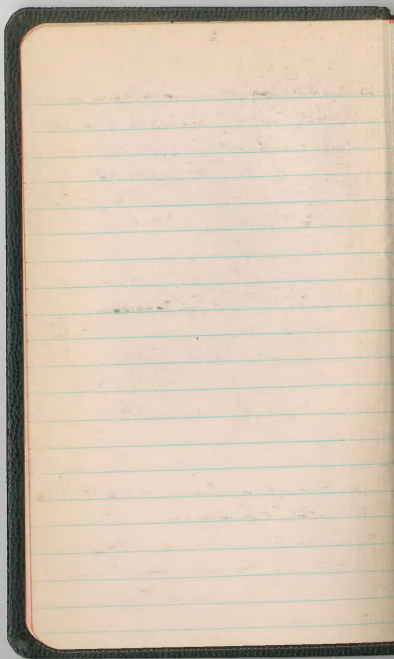
16932-18067.

John Thomas Howell









16932. *Phorodendron villosum*

South side of Mt. Tantalus on
old stage road between West
Point and Sargent Cypresses.

Parasitic on *Quercus Wislizenii*
var. *frutescens*.

Feb. 22, 1942.

16933. *Ribes Menziesii* var.

On Skyline Boulevard about 10
miles s. of La Honda junction +
13 miles west of Mountain View,
Santa Clara Co. Mar. 1, 1942.

16934. *Ceanothus cuneatus* (Greene)

Ridge above Cascade Canyon, Fairfax,
between Fairfax and Carson Ridge,
Marin Co. Flowers nearly white, buds
faintly tinged with blue. All bushes in
vicinity from lavender to light mauve.
Mar. 8, 1942.

16935. *Sagina apetala* var. *barbata*
Common on campus of Marin Junior
College, Kentfield, Marin Co.
Mar. 17, 1942.

16936. *Carex brevicaulis* Mkeg.
Among rocks on summit of
Sawarito Hills, Marin Co.
Mar. 29, 1942.

Big Carson Canyon, Marin Co.
Apr. 19, 1942.

16937. *Ribes Menziesii* var. *leptospermum*

16938. *Polystichum muricatum* X
P. californicum?

Both these species grow near
Big Carson Falls where ^{parent} collection
was made.

Apr. 19, 1942.

16939. *Vicia ocellata*

16940. *Gilia gracilis*

16941. *Trifolium fructuans*

In clay soil at Warm Springs.

16942. *Astragalus nigrescens*
with preceding.

16943. *Thysanocapsa curvipes*

16944. *Lupinus collinus*

16945. *Salvia columbariae*

Carson Ridge, Marin Co.

Apr. 19, 1942.

16946. *Carex* ^{glabra var.} [*brevicaulis* Muhl.]

Very common.

16947. *Castilleja*

16948. *Microcala quadrangularis*

16949. *Pedicularis densiflora*

Not growing on serpentine
& not exhibiting the peculiar
characters of the serpentine form
which was seen nearby.

16949A. *Pedicularis densiflora* var.

Lower part of San Anselmo Creek
Canyon near Fairfax, Marin Co.

Apr. 19, 1942.

16950. *Outhocarpus attenuatus*.

Oakland Hills, east side, near
Redwood Park, Contra Costa Co.

Apr. 26, 1942.

Jps.

16951. *Ribes Menziesii* var. *fructuans*

16952. *Linum angustifolium*

16953. *Galium murale*

South side of Mt. Diablo above
Summit Ave., Marin Co. May 3, 1942

16954. *Cirsium occidentale* var. ^{*concolor*}

Two plants with white flowers.
Another in bud will be the usual
rose-colored one.

16955. *Hedysarum creticum*

locally common near presidio.

San Anselmo Hills, Marin Co.

May 16, 1942.

16956. *Cirsium* ^{occidentale} ~~quercetorum~~ X .

Stems about $1\frac{1}{2}$ ft. tall, 3 from perennial root, flowers white. Undoubtedly of hybrid origin with *C. quercetorum* (abundant in the vicinity) as one parent and perhaps *C. occidentale* as ^{the} ~~another~~ other. Only 1 plant seen.

16957. *Caricaria microcarpa*
Not common.

San Anselmo Canyon above
Fairfax, Marin Co. May 17, 1942

16958. *Habenaria unalascensis*

Only 1 plant seen. Collected a couple of weeks ago in another fork of this same canyon by Hans Leachke.

16959. *Trifolium barbigerrum* Torr.

Flowers lavender-pink, corolla
somewhat inflated after anthesis.

16960. *Luzia gaillardiioides* H. & A.

On ridge above Coscades near
the preceding.

Rock City, Mt. Diablo,

Contra Costa Co. May 23, 1942.

16961. *Microcala quadrangulata*

Between Juniper Camp and Deer

Flat, Mt. Diablo. May 24, 1942.

16962. *Cryptantha nevadensis* var.

rigida

Between Deer Flat and Eagle Park,
Mt. Diablo, Contra Costa Co.

May 24, 1942.

16963. *Festuca microstachys* Nutt.

On serpentine

16964. *Convolvulus microphyllus*.

On serpentine

16965. *Streptanthus glandulosus*

On serpentine. Sepals light
purplish-rose

16966. *Cryptantha intermedia*

Eagle Park, Mt. Diablo.

16967. *Dudleya humilis* Roe - type
~~*Eriogonum umbellatum* var.~~
locality, Mt. Diablo.
~~*bathifrons*~~

16968. *Phacelia*

Corolla tubular - campanulate in
anthesis but not contracted until

afterwards. Not evidently glabrous.

16969. *Samolus saxatilis*

On rock talus slope at summit
of Eagle Peak. Herbage with strong
odor.

Deer Flat, Mt. Diablo,

May 24, 1942.

16970. *Sedella pentandra*

Steep canyon slope ne. of the
flat.

San Anselmo Canyon above
Fairfax, Marin Co. June 7, 1942.

16971. *Trifolium oliganthum* Steud.

16972. *Trifolium obtusiflorum*

16973. *Galium parisiense*) growing
16974. *Galium divaricatum*) together on
some hill-
side.

June 21, 1942.

along trail in chaparral on ridge
between cascades and Carson Ridge,
San Anselmo Canyon, Marin Co.

16975. *Navaretia*

Herbage mephitic but not so
disagreeably so as in *N. squarrosa*.

16976. *Poa Howellii*

16977. *Monardella neglecta*

On serpentine of Carson Ridge.

16978. *Cryptantha*

Carson Ridge, Marin Co.

16979. *Microseris Douglasii*

16980. *Centaurium*

16981. *Agrostis diegolensis*

June 21, 1942.

16982. *Deschampsia elongata*

16983. *Microcala*

16984. *Boudieria stricta*

16985. *Eriophyllum lanatum*
var. *arachnoides*

16986. *Cucurta*

16987. *Carex brevifolia* Linn.

16988. *Calamagrostis purpurascens*.

16989. ~~*Paspalum*~~ *leptoclados*

16990. *Sitanion jubatum*

16991. *Chenopodium pennsylvanicum*
var. *diversatum*

16992. *Ceanothus Jessoii* - Type
region

June 21, 1942.

Carson Ridge, Marin Co.

16993. *Boechneria*

Several plants seen.

16994. *Streptanthus batrachopus*

The small plants with numerous
chubby white petals with purple
veins very hard to see in the
serpentine gravel. Rather common
in spots.

16995. *Uropappus linearifolius*

16996. *Festuca idahoensis*

16997. *Sidalcea Hickmanii*

Larger & smaller flowered plant
(the latter prostrate). Petals
light pink. Clearing among shrubs
on summit of ridge.

Near Warm Spring on Caram Ridge,
Marin Co. June 21, 1942.

16998. *Linum dasycarpum*

Petals hairy, trichomes on fruit
elongate. On clay soil off serpentine.

16999. *Linum dasycarpum* form?

Petals glabrous, trichomes on fruit
stubby. On serpentine.

17000. *Zigadenus fontanus*

Wet ground at Warm Spring.

Ridge between cascades &
Caram Ridge, San Anselmo Canyon.

17001. *Rosa arvensis*.

Fairfax, Marin Co.

17002. *Brassica rigida* ~~geminata~~

Not common.

June 28, 1942.

East side of Oakland Hills,
near Redwood Park, Contra Costa Co.

17003. *Angelica tomentosa*

17004. *Lactuca virosa* L.

17005. *Phacelia*

Leaves not densely revolute at
base. Corolla campanulate, pale,
lavender. Shady places

17006. *Chrysanthemum Parthenium*

Persitting about old home site
near west base of Redwood Park.

17007. *Lupinus*

17008. *Oxalis pilosa*.

July 5, 1942.

17009. *Menziesia villosa* var.

Small-leaved form forming mats
like *M. neglecta*. Growing on
shale & limestones, Fern Canyon along
Mitt Davis Trail, Mt. Inyo.

17010. *Cuscuta*

Near preceding.

17011. *Silene Antirrhina* L.

Near Preceding.

17012. *Filago californica*

Near Preceding.

17013. *Silene multinervis* Wats.

Mitt Davis Trail between Azalea
Flat and Ross Trail.

July 12, 1942.

Cascade Canyon, Mill Valley,
Marin Co.

17014. *Epilobium californicum*
Flowers white or nearly so.

17015. *Habenaria*

Flowers creamy-white, very
fragrant. Growing with *H. elegans*
with greenish flowers that are
not fragrant. - Azules Flat, Matt
Davis Trail, Mt. Tamalpais.

17016. *Chlorogalum* ^{*var. dimorpha*} ~~*pennsylvanicum*~~
Dwarf variety at Azules Flat.

17017. *Cuscuta*

Firetrail between West Point &
West Peak, Mt. Tamalpais.

17018. *Galium californicum*

With preceding in rocky place.

July 12, 1942.

The leaves narrower than usual
and tending to be revolute. Perhaps
approaching G. clementis of Santa
Lucia. The first low-tuberculate
the tubercles at base of hairs.

17019. *Mimulus*

Perennial in swamp at Potrero
Camp Grant, Mt. Tantalpis. The
hairs in the inflorescence clanging.

17020. *Carex debilisformis*

With preceding. Not common.

17021. *Carex* ^{*Cusickii*} ~~*denata*~~

With preceding. Common.

17022. *Rigiopappus leptocladus*

On dry serpentine slope at Potrero,
near preceding.

July 12, 1942.

Potrero Meadow, Mt.

Tamalepa, Marin Co.

17023. *Juncus effusus* var.
pacificus
17024. *Juncus phaeocephalus* var.
pumilus
17025. *Juncus Bolanderi*
17026. *Juncus Lescurii*
17027. *Juncus Xiphioides*
17028. *Juncus Covillei*

Besides these 6 species, *J.*
bifarius was common and in
dry part of the meadow *J.*
occidentalis.

17029. *Hypericum formosum*
var. *Santhii*
17030. *Navarretia intertexta*

July 12, 1942.

^{hercynica}
17031. *Agoseris heterophylla*

17032. *Cirsium montigenum* ^{var. *laeve*}
Flowers lavender-pink. Plant
about 4 ft. tall.

Steep rocky canyon on north side
of Mt. Tanelpais above Lake
Lagunitas. On Northside Trail.

17033. *Ribes Victoris*
Leaves glandular & stony-
smelling. Shrub about 10 ft. tall.

17034. *Eriogonum*
growing in moss & *Selaginella*
on rock-surfaces & in crevices.

17035. *Lotus scoparius*
Stems slender but woody below.

17036. *Allium complanatum*
with 17034.

17037. *Galium divaricatum* Lam.
Mr. Edmonds nursery, Danville,
Contra Costa Co. July 18, 1942.

17038. *Eryngium japonicum*
Clay bank between Danville
and Diablo Country Club, Contra
Costa Co. July 19, 1942.

17039. *Cirsium cymosum* (Greene)
Large much-branched plant
3-4 ft. tall with rosettes of
leaves at slender few-branched
stems around it. Arising from
underground rootstocks. Near
Rock City, Mt. Diablo, July 19, 1942.

17040. *Lactuca virosa* L.
Deer Ridge along trail to Deer
Club, Mt. Diablo. July 19, 1942.

July 19, 1942.

17041. *Navarretia pubescens*
with preceding.

17042. *Agropyron tenerum* Vasey

17043. *Trifolium obtusiflorum*
Stemmed ne. of Deer Flat, Mt.
Diablo.

17044. *Cordylanthus nidularius* n.sp.
Rocky serpentine slope ne. of
Deer Flat, Mt. Diablo. Stems
entirely prostrate, only the flowers
erect! Forming a matted carpet,
very glandular.

17045. *Navarretia mellita*
with preceding.

17046. *Carum Kelloggii*
with preceding.

July 19, 1942.

Serpentine slope ne. of Deer
Flat, Mt. Diablo, Contra Costa Co.

17047. *Linum Breweri* Gray

17048. *Streptanthus glandulosus*
where No. 16965 was collected
in flower.

17049. *Menziesia Douglasii*

During the day on Mt. Diablo
I collected *Lactuca scariola*
on the South side & *Anthriscus*
vulgaris on the north side, both
of which I turned over to
Leo Boverman who is now
publishing her flora of the mountain.

July 24, 1942.

17050. *Balsamorhiza inveniata*
Cold Spring, canyon E. 7k.
Kaweah River, Inland Co.

17051. *Cirsium californicum*
Tranger's Spring, canyon E. 7k.
Kaweah River, Inland Co.
Flowers white.

Mineral King, Inland Co.

17052. *Descurainia Richardsonii*
ssp. *viscosa*.

17053. *Acer glabrum* var. *Jonghi*.

17054. *Silene Lemmonii*

17055. *Ribes lasianthum*

17056. *Holodiscus microphyllus*

17057. *Senecio lugens exaltatus*

July 24, 1942.

Mineral King, Inland Co.

17058. *Rumex acetosella* L.

17059. *Arabis platysperma*
var. *typica*

17060. *Ribes cereum*.

17061. *Prunus emarginata*

17062. *Crepis acuminata*

17063. *Agoseris retrosa*

17064. *Mertensia ciliata* var.

stomatichoides

17065. *Smilacina amplexicaulis*
var. *glabra*.

17066. *Arnica amplexifolia*

17067. *Gagea parviflora*.

July 24, 1942.

17068. *Epilobium brevistylum*.

17069. *Gayophytum Nuttallii*
var. *typicum*.

17070. *Cardamine Breweri*.

17071. *Ceanothus cordulatus*.

17072. *Elymus glaucus*.

17073. *Monardella odoratissima*
spp. *pinnatum*

17074. *Eriogonum Breweri*.

17075. *Gayophytum diffusum*.
var. *typicum*.

17076. *Penstemon azureus* spp.
parvulus.

17077. *Arenaria congesta*

17078. *Medicago Wheeleri*.

July 24, 1942.

Mineral King, Inland Co.

17079. *Erigeron nudum* var.
deductum.

17080. *Sanicula septentrionalis*
var. *memoralis*.

17081. *Calochortus Leichtlinii*

17082. *Thalictrum Fendleri*.

17083. *Hydrophyllum occidentale*

17084. *Keloggia galioides*

17085. *Viola purpurea*

17086. *Castropis sempervirens*.

17087. *Castilleja adenophora*

17088. *Melica bulbosa*

17089 A. *Gilia galioides*

July 24, 1942.

17089. *Carex lanuginosa*.

17090. *Phacelia ramosissima*

17091. *Salix subsericea*.

17092. *Equisetum arvense*

17093. *Salix Scouleriana*.

17094. *Osmorhiza nuda*.

17095. *Gilia Nuttallii*

17096. *Rhamnus rubra* ssp.
yosemiteana

17097. *Gnaphalium Nuttallii*
var. *Abramsii*

17098. *Lupinus procerus*.

17099. *Cryptantha simulans*

July 24, 1942.

Mineral King, Inland Co.

17100. *Chrysopsis* *Beveri*.

17101. *Angelica lineariloba*

17102. *Arabis repens*.

17103. *Coma stolonifera*

17104. *Mimulus ilicifolius*

17105. *Aquilegia formosa*.

17106. *Arabis retrofracta*

17107. *Arabis divaricata*.

17108. *Phacelia rogersii*

17109. *Pedicularis semibarbata*

July 24, 1942.

17110. *Fritillaria pinnatifida*
17111. *Antennaria rosea*
17112. *Sitonia Hansenii*
17113. *Stipa Lettenbaueri*
17114. *Agrostis nuttalliana*
17115. *Lonicera conjugialis*
17116. *Symphoricarpos acutus*
17117. *Haskelia ferulifera*
17118. *Phacelia heterophylla* var.
heterophylla (Gray) Greene
17119. *Barbarea orthoceras*
17120. *Convolvulus chalcoceras*

July 24, 1942.

Mineral King, Inland Co.

17121. *Sagina saginoides*
var. *hesperis*.

17122. *Ribes inerme*.

17123. *Cymopterus teretifolius*

17124. *Rubus nutkanus* var.
bifarius

17125. *Lupinus Andersonii*

17126. *Gazophytum humile* var.
typicum to *hirsutum*,

17127. *Artemisia tridentata*

17128. *Allenia Aristata*

17129. *Arctostaphylos patula*

July 25, 1942.

Mineral King, Inland Co.

17130. *Solidago comyrosa*.

17131. *Ribes montigenum*

17132. *Tylochin palustre*

17133. *Veronica americana*.

17134. *Tofieldia occidentalis*

17135. *Equisetum kanadense*.

17136. *Juncus nevadensis*

17137. *Collomia tinctoria*

17138. *Melica stricta*

17139. *Phacelia heterophylla* var.

Corolla lavender. *mitis*
(14000)

July 25, 1942.

Mineral King, Inyo Co.

17140. *Arabis Lemmonii*

17141. *Cystopteris fragilis*

17142. *Linum Lewisii*

17143. *Carex lanuginosa*

17144. *Eriogonum umbellatum* ssp.
polyanthum

17145. *Eriogonum sparganum*

17146. *Sisyrinchium idahoense*

17147. *Carex athrotrachya*

17148. *Senecio oreopolus*

17149. *Salix Lemmonii*

July 25, 1942.

17150. *Carex aurea*.

17151. *Epilobium adenocaulon*.

17152. *Arabis Drummondii*

17153. *Epilobium lactiflorum*.

Eagle Lake Trail near Mineral
King, Inyo Co.

17154. *Carex heteroneura*.

17155. *Poa Blendinii*

17156. *Draba cruciata*

17157. *Arabis divaricarpa*

17158. *Erysimum nevadense*.

17159. *Lonicera involucrata*

July 25, 1942.

Eagle Lake Trail near Mineral
King, Inland Co.

17160. *Phacelia oregana*

Moist edge of sloping meadow in
sandy soil. Lint bluish-purple,
throat white. Type locality.

17161. *Trifolium monanthum*

17162. *Trifolium variegatum* var.
pauciflorum.

17163. *Eriogonum pauciflorum*

17164. *Salix orestera*

17165. *Hemlockia rubescens*
var. *pachypoda*.

17166. *Ribes viscosissimum*

17167. *Epilobium oregonense*.

July 5, 1942.

17168. *Chaetanthes gracillima*.
17169. *Stellaria borealis*.
17170. *Castilleja miniata*
17171. *Carex Reynoldsii*
17172. *Saxifraga punctata* var.
angusta.
17173. *Saxifraga montana*
17174. *Carex Rossii*
17175. *Juncus Parryi*.
17176. *Streptanthus tortuosus* var.
flavescens.
17177. *Carex multicastrata*
17178. *Juncus nevadensis*.

July 25, 1942.

Eagle Lake Trail near Mineral
King, Inland Co.

17179. *Collinsia parviflora*.

17180. *Gazophytum racemosum*
var. *typicum*

17181. *Draba stenoloba* var. *nana*

17182. *Nemophila spatulata*

17183. *Lionanthus olivaceolatus*

17184. *Collinsia Torreyi*

17185. *Galium bifolium*

17186. *Cryptantha affinis*

17187. *Trifolium cyathiferum*

17188. *Gilia capillaris*

July 25, 26, 1942.

17189. *Poa* ~~sp.~~

17190. *Minulus*

17191. *Stephanomeria tenuifolia*

17192. *Condalia maculata*.

17193. *Carex teneraefomis*.

Mineral King, Inland Co.

July 26, 1942.

17194. *Eriophorum criniger*

17195. *Geum macrophyllum*.

17196. *Comandra pallida*.

17197. *Antennaria drumunculoides*

17198. *Halenium Strepesii*

July 26, 1942.

Mineral King, Inland Co.

17199. *Penstemon Bridgesii*

17200. *Allocarya hispida*

17201. *Collomia linearis*

17202. *Veronica alpina* var.
altiflora

17203. *Bruno marginatus*

17204. *Ligusticum Gaayii*

17205. *Juncus bufonius*

17206. *Carex heteroneura*

17207. *Carex Kelloggii*

17208. *Stellaria longipes*

July 26, 1942.

17209. *Carex Jonesii*

17210. *Carex teneraefolia*

17211. *Solidago elongata*

17212. *Polygonum Douglasii*

17213. *Carex rostrata*

17214. *Carex integra*

17215. *Scirpus Cuydonii*

17216. *Juncus mertensianus*

17217. *Limonanthus ciliatus*

17218. *Lotus crassifolius*

17219. *Deschampsia elongata*.

July 26, 1942.

Mineral King, Inyo Co.

17220. *Agrostis idahoensis*

17221. *Trifolium Wanskjoldii*

17222. *Salix Eastwoodiae*

17223. *Situmion Hystrix*

17224. *Navaretia divaricata*

17225. *Juncus orthophyllus*

17226. *Eriogonum leucophyllum*

17227. *Helenium Bigelovii*

17228. *Poa Deschampsiae cespitosa*

17229. *Carex fissuricola*

July 26, 1942.

17230. *Agrostis hiemalis*.

17231. *Phleum alpinum*

17232. *Trisetum spicatum*

17233. *Zigadenus venenosus*.

17234. *Achillea lanulosa*

17235. *Smilacina stellata*

17236. *Muhlenbergia squarrosa*.

17237. *Agropyron parviflorum*-

17238. *Hordeum nodosum*

17238A. *Prunella vulgaris*

17239. *Stipa Elmeri*.

17240. *Potentilla gracilis Nuttallii*

July 26, 1942.

Mineral King, Inland Co.

17241. *Koeleria cristata*

17242. *Sphaerocodium capitellatum*

17242 A. *Epilobium glaberrimum*

Between Mineral King and Cold
Spring Camp Ground, Inland Co.

17243. *Elerchastus palustris*

17244 *Carex abrupta*

17245. *Epilobium paniculatum*

17246. *Gayophytum diffusum*
var. *typicum*.

17247. *Gayophytum Nuttallii*
var. *Abramsii*

17248. *Senecio serotinus*

17249. *Salix lasiolepis*

July 26, 1942.

17250. *Lotus Douglasii* var.
nevadensis

17251. *Solanum Xanthifolium*

17252. *Azoreis elata*

17253. *Crucata Sutcliffei*

17254. *Trifolium microcephalum*

17255. *Carex Hoodii*

17256. *Collomia grandiflora*.

17257. *Carex multicaulis*

17258. *Luzula multiflora*

17259. *Oxyopsis occidentalis*

17260. *Stachys albens*.

Between Mineral King & Cold Spring
Camp ground, Inyo Co. July 26, 1942.

17261. *Lotus Torreyi*

17262. *Lupinus albicantius*.

Between Mineral King and
Timber Gap, Inyo Co. July 27, 1942.

17263. *Arctostaphylos nevadensis*

17264. *Delphinium patens*
(= *D. Greenei*)

17265. *Raillardella scaposa*
var. *Pringlei*

17266. *Symphoricarpos acutus*

17267. *Phacelia hydrophyloides*

17268. *Hieracium boidum*

17269. *Galium pubens* var. *pschidum*.

July 27, 1942.

17270. *Mimulus nasutus*.

17271. *Sidalcea rumiculata*

17272. *Lupinus*

17273. *Penophila maculata*

17274. *Lithophragma scabellum*.

17275. *Eriogonum nudum* var.
deductum.

17276. *Lupinus Parishii*

Stems + leaves purple-tinged, flowers
bluish-purple.

17277. *Viola purpurea* var,
pinnatum

17278. *Hazardia Whitneyi*

17279. *Madia glomerata*

July 27, 1942.

Between Mineral King and
Timber Gap, Inland Co.

17280. *Phacelia rogersii*

17281. *Habenaria unalascensis*

Timber Gap, Inland Co.

17282. *Draba cruciata*

17283. *Euzoia simplex*

17284. *Castilleja nana*

17285. *Tetradymia canescens*

17286. *Artemisia norvegica*
var. *saxatilis*

Along Deer Creek between
Timber Gap and Cliff Creek,
Inland Co.

17287. *Cuscuta californica graciliflora*

July 27, 1942.

17288. *Hieracium albiflorum*
17289A. *Phacelia argentea*.
17289. *Trifolium monanthum*
n. var. ?
17290. *Astragalus Blandieri*.
17291. *Eriogonum incanum*
17292. *Dentaria corymbosa* var.
grata
17293. *Caltha biflora*
17294. *Corydalis brevipes*.
17295. *Corydalis tenax* formis
17296. *Brodiaea scabra*
17297. *Hypericum anagalloides*
17298. *Ribes Roezlii*

July 27, 1942.

Deer Creek between Timber Gap
and Cliff Creek, Inland Co.

17299. *Galium pubens*

17300. *Galium apariflorum*

17301. *Galium apariflorum*

Cliff Creek at mouth of Deer
Creek, Inland Co.

17302. *Ribes nevadense*.

17303. *Amelanchier siskiyouensis*

17304. *Habenaria unalascensis*

Cliff Creek between Deer Creek
and Pinto Lake, Inland Co.

17305. *Chenopodium Fremontii*

17306. *Agoseris gracilis* ?

July 27, 1942.

17307. *Nauclea californica*

17308. *Trifolium tenerum*

17309. *Corylus californica*

17310. *Buckellia grandiflora*

17311. *Cirsium occidentale* var.?
Flowers pink.

17312. *Eriogonum Wrightii subcyparissum*
Peduncles tomentulose

17313. *Eriogonum Wrightii subcyparissum*
Peduncles glabrous

17314. *Galium aparine*

17315. *Galium pubens* var.
serotidum.

July 27, 1942.

Cliff Creek between Deer Creek and
Pinto Lake, Inland Co.

17316. *Stephanomeria tenuifolia*
17317. *Amelanchier siskiyewensis*
17318. *Salix Scouleriana*.
17319. *Ribes lasianthum*
17320. *Quercus Kelloggii*
17321. *Symphoricarpos acutus*.
17322. *Salix lasiandra*
17323. *Phacelia* ^{*californica*} ~~*californica*~~ ^{*egens*} ~~*egens*~~
17324. *Lianthus montanus*
17325. *Ergem Elmeri*.

17326. *Medea* *Yosemite*

17327. *Brodiaea elegans*

17328. *Juncus* (*brachystylus*) *Tiehmi*
+ *capillaris*

17329. *Phacelia argentea*

17330. *Heterocodon variflorum*.

17331. *Polygonum minimum*.

Between Pinto Lake & Black Rock

Pass, Inyo Co. July 28, 1942.

17332. *Streptanthus tortuosus*
var. *opatus*

17333. *Senecio oreopolus*

17334. *Carex Congdonii*.

17335. *Viola purpurea*

July 28, 1942.

Between Pinto Lake + Black Rock
Pass, Inland Co.

17336. *Juncus (brachystylus) capillaris*

17337. *Chaenactis villosa*

17338. *Lupinus hypoleucis*.

17339. *Astragalus integrifolius*

17340. *Sidalcea rumicoides*.

17341. *Carex filifolia*

17342. *Silene bernardin*

17342A. *Silene montana*

17343. *Juncus Parryi*.

17344. *Cystopteris fragilis*

17345. *Phacelia sinensis*

Jul 28, 1942.

17346. *Phacelia* *oregenes*

West side of Black Rock Pass,
Inland Co.

17347. *Penstemon* *Davidsonii*

17348. ~~*Antennaria*~~ *Tanacetum* *canum*.

17349. *Arabis* *Lemmonii* var.
disparipetala

17350. *Eriogonum* *compositum*.

17351. *Arabis* *Lemmonii* ?

17352. *Draba* *Breweri*.

East side, Black Rock Pass,

17353. *Carex* *Helleri*.

17354. *Carex* *pratensis*

17355. *Carex* *stramineiformis*

July 29, 1942.

Little Five Lakes Basin between
camp and Long Lake, Inland Co.

17356. *Trisetum spicatum*

17357. *Saxifraga hypnophora*

17358. *Luzula divaricata*

17359. *Rumex paucifolius gracilis*

17360. *Eriogon simplex*

17361. *Koeleria cristata*

17362. *Pedicularis semibarbata*

17363. *Ledum glandulosum*

17364. *Arenaria congesta* var.
suffruticosa

17365. *Saxifraga sp.*

July 29, 1942.

17366. *Arnica Nuttallii* var.
gracilis

17367. *Arnica mollis*.

17368. *Salix orestera*

17369. *Macromma discoidum*

17370. *Viola Muhlouskyi*.

17371. *Juncus Drummondii*

17372. *Carex fasciculata*

17373. *Viola purpurea*.

17374. *Botrychium simplex*

17375. *Gaultheria humifusa*

17376. *Trisetum spicatum*

July 29, 1942.

Little Five Lakes Basin between
camp and Long Lake, Inland Co.

17377. *Juncus Parryi*.

17378. *Oryzopsis Kingii*

17379. *Kalmia quadrata Breweri*.

17380. *Carex brevipes*.

17381. *Poa* ~~sp.~~

17382. *Luzula congesta*.

17383. *Scirpus Clementis*

17384. *Gnaphalium Nuttallii*
var. *typicum*.

17385. *Juncus nevadensis*.

17386. *Vaccinium occidentale*

July 29, 1942.

17387. *Carex nigricans*

17388. *Carex illota*

17389. *Phlox diffusa*.

17390. *Potentilla fruticosa*

17391. *Vaccinium cespitosum*

17392. *Lupinus oleraceus* Eastw.
n. sp.

17393. *Carex exserta*.

17394. *Ligusticum grayii*

17395. *Pedicularis oleracea*

17396. *Arabis platycarpa* var.
Howellii

17397. *Cortilleja californica*

July 29, 1942.

Little Five Lakes Basin between
camp and dry lake, Inland Co.

17398. *Phaulia heterophylla* var:
colla laevius
multabilis (HECK)

17399. *Festuca brachyphylla*

17400. *Castilleja nana*.

17401. *Silene Watsonii*

17402. *Eriogonum nudum* var.
deductum.

17403. *Carex pratensis*

17404. *Leptodactylon pungens* var.
tenuifolium

17405. *Eriogonum asperum* var.
perenne.

17406. *Eriophorum criniger*

July 29, 1942.

17407. *Hieracium gracile* var.
detonatum

17408. *Saxifraga nidifica*

17409. *Vernicia alpina* var.
altimiflora.

17410. *Isotria medeoloides*.

17411. *Poa*.

17412. *Poa*.

17413. *Poa*.

17414. *Poa*.

17415. *Carex stramineiformis* #17591

17416. *Carex Rossii*

July 30, 1942.

Little Five Lakes Basin between
camp and Long Lake, Inland Co.

17417. *Penstemon Davidsonii*

17418. *Streptanthus tortuosus* var.
orbiculatus

17419. *Luzula spicata*.

17420. *Ribes montigenum*

17421. *Salix petrophila* var.
caespitosa

17422. *Arabis Davidsonii*

17423. *Ruellandella scaposa*.

17424. *Cymopterus terbinthinus*

17425. *Mimulus leptaleus*

17426. *Carex subnigricans*

July 31, 1942.

Cabin in Big Arroyos at 9900 ft.,
Inlare Co.

17427. *Calyptridium pygmaeum*.

Trail from Big Arroyos to Chagoso
Plateau, Inlare Co.

17428. *Chrysopsis Breweri*.

17429. *Minulus nasutus*.

17430. *Eriophyllum confertiflorum*

17431. *Penstemon Rothrockii*

17432. *Monardella odoratissima*
ssp. *parvifolia*

17433. *Graptophyllum Moccasinii*

17434. *Phacelia Eisenii*

17435. *Phacelia orogenes*

July 31, 1942.

Trail from Big Arroyo to
Chagoso Plateau, Inland Co.

17436. *Cheeraxia alpina*

17437. *Pinus Balfouriana*.

Northwest side of Mt. Kamaish
near timberline, Inland Co.

17438. *Evesia pygmaea*.

17439. *Oreonana Clementis*

17440. *Carex Congdoni*.

17441. *Spraguea umbellata* var.
cardiifera

17442. *Pedicularis semibarbata*

17443. *Hieracium loricatum*

17444. *Gutierrezia Taraxacum canum*.

July 31, 1942.

17445. *Holodiscus microphyllus*.

17446. *Luzula divaricata*

17447. *Carex stamineiformis*

17448. *Eriogonum incanum*

17449. *Phlox diffusa*.

17450. *Juncus Parryi*.

17451. *Carex Rozsii*

17452. *Senecio Fremontii* var.
occidentalis

17453. *Jamesia americana*
var. *californica*

17454. *Calamagrostis canadensis*.

17455. *Cirsium thionum*

17456. *Arabis platysperma* Howellii

July 31, 1942.

Timberline trees on Mt. Kaweah:

17457. *Pinus Balfouriana*

17458. *Pinus albicaulis*

Only 1 seen.

17459. *Pinus Murrayana*

Above timberline, Mt. Kaweah.

17460. *Primula suffruticosa*

17461. *Erygon simplex*

17462. *Hulsea algida*

17463. *Trisetum spicatum*
Glabrous.

17464. *Trisetum spicatum*
Densely pubescent

17465. *Eriogonum ovalifolium* var.
nivale.

17466. *Aquilegia pubescens*.

July 31, 1942.

17467. *Macromma discoides*

17468. *Carex Breweri*.

17469. *Stipa occidentalis*

17470. *Poa*

17471. *Festuca brachyphylla*.

17472. *Calamagrostis purpurea*

17473. *Sitanion Hystrix*

17474. *Eupatorium perenne*.

17475. *Carex pratensis*

17476. *Sitanion Hystrix*
(= *S. cinereum* Piper)

17477. *Muhlenbergia squarrosa*

July 31, 1942.

Above timberline, Mt. Kearsage,
Idaho Co.

17478. *Prutenum Davidsonii*

17479. *Ribes cereum*.

17480. ^{*Silene*} ~~*Stellaria*~~ *Watsonii*

17481. ^{*Antennaria* - n. sp. ? aff. *alpina*} ~~*Gnaphalium*~~

17482. *Leptodactylum pungens* var.
tennifolium.

17483. *Carex Hillebrandii*.

17484. *Phacelia heterophylla* var.
virgata or *dracophylla*

17485. *Eriogonum compactum*

17486. *Arabis Lemmonii*

17487. *Eriogonum radicans*

July 31, 1942.

17488. *Poa*

17489. *Oreocarya nubigena*

17490. *Crepis nana*.

17491. *Epilobium angustifolium*
var. *pygmaeum*.

17492. *Selaginella Watsonii*

17493. *Parrya Anelsonia sericea*.

Chagopa Plateau between Mt.

Kaweah and Sand Meadows, Inyo Co.

17494. *Eleocharis palustris*

17495. *Luzula parviflora*

17496. *Eriogonum polypodum*

Aug. 1, 1942.

Between Moraine Lake and Slay
Pass Meadow, Chagorpa Plateau,
Inverness Co.

17497. *Silene bernaieria*.

17498. *Tetradymia canescens*.

17499. *Stipa occidentalis*

17500. *Carex Hoodii*

17501. *Eriogonum Wrightii suberectum*
Peduncles globose or tomentulose
and adjacent plants.

17502. *Eriogonum sparganium*

17503. *Gayophytum Nuttallii*
var. *typicum*

17504. *Gayophytum diffusum*
var. *typicum*

Aug. 1, 1942.

17505. *Camontazio nuda*.

17506. *Arabis retrofracta*

17507. *Lupinus monensis*

Sky Parlor Meadow, Chagopa
Plateau, Inland Co.

17508. *Spiranthes Romanzoffiana*.

17509. *Muhlenbergia filiformis*.

17510. *Agrostis hiemalis*

17511. *Duesia campestris*

17512. *Lupinus hypoleucis* var.

17513. *Thalictrum sparsiflorum*

17514. *Sidalcea reptans*

Aug. 1, 1942.

Sky Park Meadow, Chagorpa
Plateau, Tulare Co.

17515. *Koeleria cristata*

17516. *Poa Bolanderi*

17517. *Agrostis idahoensis*

17518. *Deschampsia elongata*.

17519. *Glyceria parviflora*

17520. *Calamagrostis Breweri*.

17521. *Allocaulia hispida*

17522. *Juncus (uncialis) tenuisectus*

17523. *Eriogonum lonchophyllum*.

17524. *Pyrocoma asperifolia*

Aug. 1, 1942.

17525. *Poa* ~~*sp.*~~
17526. *Juncus nevadensis*
17527. *Juncus orthophyllus*.
17528. *Eleocharis paniculata*
17529. *Juncus nevadensis*.
17530. *Luzula congesta*
17531. *Luzula multiflora*.
17532. *Gentiana holopetala*.
17533. *Stipa Elmeri*.
17534. *Castilleja Culbertsonii*
17535. *Polygonum bistortoides*

Aug. 1, 1942.

Sky Park Meadow, Chogopa
Plateau, Inland Co.

17536. *Antennaria corymbosa*.

17537. *Rumex paucifolius*

17538. *Achillea lanulosa*

17539. *Ivesia lycopodioides*
ssp. *megalopectala*

17540. *Rumex utahensis* ?

17541. *Eriogonum bella*

17542. *Aster Andersonii*

17543. *Botrychium simplex*

17544. *Carex multicaulata*

17545. *Carex Preslii*

Aug. 1, 1942.

17546. *Carex multicaulis*

17547. *Carex capitata*

17548. *Carex heteroneura*

17549. *Carex rostrata*

17550. *Carex subnigricans*

17551. *Carex integra*

17552. *Carex gymnoclada*

17553. *Carex fissuricola*

17554. *Carex teneraefolia*

17555. *Carex* ^{*simulata*} ~~*Proctor*~~

17556. *Carex athrotaenya*

Aug. 1, 1942.

17557. *Carex vesicaria*

17558. *Carex brevipes*.

17559. *Carex Rossii*

17560. *Carex longirostris*

Moraine Lake, Chogopa Plateau,
Inland Co.

17561. *Carex paniculata*

17562. *Carex vesicaria*

Between Moraine Lake and Sand
Meadows, Chogopa Plateau.

17563. *Carex multicaulis*

17564. *Carex Whitneyi*

17565. *Carex speciosa*

17566. *Carex exserta*

17567. *Oreonana Clementi*

Aug. 1, 1942.

Chagorpa Plateau between Sand
Meadows and Mt Kanab, Kane Co.

17568. *Rumex paucifolius*
graciliscens

17569. *Minulus leptolepis*

17570. *Linanthus oblongolatus*

17571. *Juncus (brachystylus) hyssopifolius*

17572. *Artemisia Rothrockii*

Trail from Chagorpa Plateau to cabin
in Big Arroyo, Kane Co.

17573. *Cirsium occidentale* var.
Flowers pink

17574. *Sedum stenopetalum*

17575. *Luzula multiflora*

Aug. 2, 1942.

Near camp, Little Five Lakes
Basin, Inland Co.

17576. *Dodecatheon alpinum*

17577. *Dodecatheon jeffreyi*

17578. *Bryanthus Breweri*.

17579. *Ivesia pygmaea*.

17580. *Carex Hillebri*.

17581. *Oxyria digyna*.

17582. *Draba Lemmonii*

17583. *Potentilla Breweri*.

17584. *Carex venusta*

17585. *Ranunculus alismifolius*
var. *alismifolius*.

Aug. 2, 1942.

17586. *Sibbaldia* - *Potentilla*
Sibbaldii

17587. *Poa* *high*

17588. *Poa* *sp.*

17589. *Lewisia nevadensis*?

17590. *Ranunculus Eschscholtzii*

17591. *Carex stamineiformis*

17592. *Kalmia polifolia* var.
microphylla.

17593. *Allium parvum*.

17594. *Isotria occidentalis*

17595. *Lupinus hyperboreus*.

17596. *Carex stamineiformis*?

Aug. 3, 1942.

Between Little Five Lakes Basin
and Kaweah Gap on west side
of Big Arroyo, Inland Co.

17597. *Antennaria norvegica*
var. *axatilis* (Glehn) Fr.

17598. *Senecio paniculatus*
var. *fallax*

17599. *Eriogon simplex*

17600. *Luzula subcongesta*.

17601. *Calamagrostis canadensis*

17602. *Hockelia florifunda*

17603. *Potentilla Breweri*.

17604. *Carex brevipes*

17605. *Lewisia nevadensis*.

Aug. 3, 1942.

17606. *Salix ovestera* ♂

17607. *Salix ovestera* ♀

17608. *Salix pseudoacutata*.

17609. *Sorbus californica*

17610. *Carex illota*

17611. *Pedicularis groenlandica*.

17612. *Carex stramineiformis*.

17613. *Gnaphalium Nuttallii*
var. *typicum*.

17614. *Carex spectabilis*

17615. *Spiraea densiflora*

17616. *Lewisia triphylla*.

Aug. 3, 1942.

Between Little Five Lakes Basin
and Kaweah Gap on west side of
Big Ansoyo, Inland Co.

17617. *Mimulus* *nephiticus*

17618. *Melica* *bulbosa*

17619. *Scorzonella* *nutans*

17620. ^{*Antennaria*}
~~*Asaphoglossa*~~ *rosea*

Kaweah Gap, Inland Co.

17621. *Athyrium* *americanum*

17622. *Poa* ~~*sp.*~~

17623. *Arenaria* *Nuttallii* var.
gracilis

17624. *Castilleja* *adenophora*

17625. *Phacelia* ~~*heterophylla*~~ *var.*
heterophylla

Aug. 3, 1942.

17626. *Castilleja nana*.

17627. *Eriogonum incanum*

17628. *Arabis ingoensis*

17629. *Arabis Lemmonii* var.
depauperata.

17630. *Calamagrostis purpurascens*

17631. *Penstemon Newberryi*.

17632. *Penstemon heterodoxus* ssp.
cephalophorus.

17633. *Sambucus racemosa*.

17634. *Diosia pygmaea*

Aug. 3, 1942.

Between Kameak Gap and
Precipice Lake (uppermost of the
Hamilton Lakes), Inver Co.

17635. *Delphinium elatum* -

17636. *Oreocarya humilis*

17637. *Carex festivella*

17638. *Sedum stenopetalum*

17639. *Viola purpurea*

17640. *Eriogonum nudum* var.
scapigerum

17641. *Carex stramineiformis*

17642. *Carex Congdoni*.

17643. *Epilobium obcordatum*.

Aug. 3, 1942.

17644. *Lomatium Fernaldii*.

17645. *Spraguea umbellata*
var. *candicifera*

Hamilton Lakes at about 10000 ft.,
Tulare Co.

17646. *Rhodiola rosea* var.
integrifolia

17647. *Dicentra nevadensis*

17648. *Lupinus Covillei*.

17649. *Leptodactylon pungens* var.
tenniflorum.

17650. *Pellaea Breweri*

17651. *Eriogonum Elmeri*.

17652. *Streptanthus tortuosus* var.
orbiculatus

17653. *Arabis Davidsonii*

Hamilton Lakes at about 10000 ft.,

Tulare Co. Aug. 3, 1942.

17654. *Carex thornifloris*

17655. *Carex Preslii*

17656. *Woodsis scopulina*

17657. *Duesia pygmaea*.

17658. *Draba stenoloba* var. *rare*.

Little Five Lakes Basin, near
camp, Tulare Co. Aug. 4, 1942.

17659. *Senecio Covillei*

17660. *Sparganium angustifolium*

17661. *Carex proctorii*

17662. *Antennaria media*

17663. *Minulus pumilio*

17664. *Minulus Ziegleri* var.
corallinus

17665. *Isoties Bolanderi*

In shallow pond less than 1 ft.
under water.

Aug. 5 - 1942.

Trail between Big Ancho cabin
and Chagoopa Plateau, Inland Co.

17666. *Lianthus ciliatus*

17667. *Allium validum*

17668. *Muhlenbergia squarrosa*.

17669. *Arnica amplexifolia*

17670. *Trisetum spicatum*

17671. *Carex abrupta*

Aug. 5, 1942.

Trail from Big Arroyo Cabin
(9900 ft.) to Chagopa Plateau.

17672. *Bromus marginatus*

17673. *Salix Scouleriana*.

17674. *Agrostis Thurberiana*.

17675. *Bromus Oerthonus* var.
Hallii

17676. *Hemichlaena rubescens* var.
Rydbergiana.

17677. *Senecio exaltatus*.

17678. *Bromus marginatus*

17679. *Hesperainia Richardsonii*
subsp. *incisa*

17680. *Mimulus Tilingii*

17681. *Lonicera involucrata*

Aug. 5, 1942.

17682. *Cirsium Anderonii*

17683. *Epilobium glaberrimum*.

17684. *Antennaria discolor*

17685. *Salix Lemmonii*

17686. *Mimulus Breweri*.

17687. *Symphoricarpos Parishii*

17688. *Arabis repens*.

17689. *Penstemon caesius*.

17690. *Castilleja adenophora*

17691. *Eupatorium occidentale*

17692. *Carex Gairdneri*

Aug. 5, 1942.

Trail from Big Arroyo cabin (9900 ft)
to Chagooza Plateau, Tulare Co.

17693. *Trifolium tenacum*

17694. *Bromus Sutscheri*

17695. *Pteridium aquilinum*
var. *pubescens*.

17696. *Mimulus moschatellus*.

17697. *Lilium greenlandicum*.

17698. *Lupinus pipentis* var.
aparaifilosus n. var.

17699. *Stipa columbiana*

17700. *Carex mariposana*

17701. *Danthonia unispicata*

17702. *Castilleja miniata*

Aug. 5, 1942.

17703. *Luzula multiflora* =
No. 17575.

17704. *Suaeda perennis*.

17705. *Eriogonum Breweri*.

17706. *Senecio triangularis*

17707. *Solidago corymbosa*.

17708. *Arnica latifolia*

17709. *Eriogonum Coulteri*.

17710. *Artemisia tridentata*

17711. *Cotoneaster sempervirens*.

17712. *Ceanothus cordulatus*

17713. *Arctostaphylos patula*

Aug. 5, 1942.

Trail from Big Ansoys cabin to
Chagoopa Plateau, Tulare Co.

17714. *Ribes lauranthum*

17715. *Agropyron paniculatum*.

17716. *Melica stricta*

17717. *Potentilla glandulosa*
var. *laeta*

17718. *Poa*

17719. *Poa*

17719A. *Saxifraga montana*

17720. *Senecio oreopolus*.

17720A. *Linum Lewisii*

Kamash Meadows, n. end of
Chagoopa Plateau near Mt. Kamash,
Tulare Co. - 8.11.42

17721. *Carex integra*

Aug. 5, 1942.

17722. *Polygonum Douglasii*
17723. *Juncus Drummondii*
17724. *Carex capitata*
17725. *Pinstemon heterodoxus*
 ^{sap.} *cephalophorus*.
17726. *Saxifraga montana*
17727. *Carex abrupta*
17728. *Carex oerantha*
17729. *Scirpus Clementis*.
17730. *Carex illota*
17731. *Carex Jonesii*
17732. *Carex gymnoclada*

Aug. 5, 1942.

Kaweah Meadows, n. end of Chagoopa
Plateau at n. base of Mt. Kaweah,
Inyo Co. - E. ca. 10,500 ft.

17733. *Ivesia campestris*

17734. *Parnassia californica*

17735. *Zofieldia occidentalis*

17736. *Carex heteroneura*

17736A. *Carex spectabilis*

17737. *Delphinium elatum*.

17738. *Eriogonum suberosum*

17739. *Fragaria virginiana* var.
sibbaldifolia

17740. *Arnica montana*.

17741. *Salix orestera*.

Aug. 5, 1942.

17742. *Pyrola secunda*

17743. *Pyrola minor*

17744. *Gentiana holopetalata*

17744A. *Montia Chamissoi*

Moraineal pond at n. end of
Chagoopa Plateau, Inland Co.

17745. *Eleocharis acicularis*

17746. *Phleum alpinum*

17747. *Rodriola sinuata*

Trail from Chagoopa Plateau to Big
Angeles cabin, Inland Co.

17748. *Monardella odoratissima pauciflora*

17749. *Woodsiopsis scopulina*

17750. *Potentilla gracilis Nuttallii*

17751. *Pentstemon Bridgesii*

Aug. 5, 1942.

At the cabin in Big Ancho, 9900 ft., Inland Co.

17752. *Cryptantha glomeriflora*

17753. *Polygonum sarotichense*

17754. *Navarretia divaricata*

West side of Big Ancho between Cabin & Little Five Lakes Basin.

17755. *Lupinus Andersonii*

17756. *Lupinus pipentus*

17757. *Arnica latifolia*

17758. *Danthonia intermedia*

17758A. *Potentilla Drummondii*

Aug. 6, 1942.

Little Five Lakes Basin between
camp and Long Lake, Inland Co.
17759. *Arabis divaricarpa*.

17760. *Cuticleja adnephra*.

17761. *Elerchonia palustris*

17762. *Polygonum Kelloggii*

17762A. *Antennaria rosea*

17763. *Salix orecta*

17764. *Helenium Bigelovii*

17765. *Habenaria leucostachys*.

17766. *Callitriche autumnalis*

17766A. *Senecio Scorzello*

17767. *Carex subnigrescens*

17768. *Veratrum californicum*

17769. *Cryptogramma acrostichoides*

Aug. 7, 1942.

Outlet of Big Five Lakes, Inland Co.

17770. *Actaea arguta*

Loat Canyon, Inland Co.

17771. *Phacelia oregonensis*.

Growing in sandy soil with the
following annual herbs.

17772. *Minulus Breweri*.

17773. *Polygonum minimum*

17774. *Polygonum kelloggii*

17775. *Polygonum Douglasii*

17776. *Gilia gracilis*

17777. *Linanthus oblongifolius*

17778. *Gilia capillaris*

Aug. 7, 1942.

17779. *Linanthus ciliatus* var.
neglectus.

17780. *Linanthus Harknessii*

17781. *Navarretia divaricata*

17782. *Gazophytum Nuttallii* typicum
Also a small *Cryptantha*
similar to No. 17752 & *Collinsia*
Jonesi.

17783. *Oxycoccus alpestris*

17784. *Diosia pygmaea*.

17785. *Raillardella argentea*

17786. *Gentiana holopetala*

17787. *Gentiana Newberryi*.

Aug. 7, 1942.

Lead Canyon, Inland Co.

17788. *Carex subfusca*.

17789. *Chaenactis Evermannii*

17790. *Sidalcea nanunculacea*

17791. *Hypericum anagallifolium*

17792. *Potentilla Drummondii*

17793. *Eriogonum nudum* var.
capitatum.

Columbine Lake, Inland Co.

17794. *Carex Corymbosa*.

17795. *Carex Breweri*.

17796. *Phacelia heterophylla* var.

heterophylla

17797. *Arenaria Nuttallii gracilis*

Aug. 7, 1942.

17798. *Carex venusta*.

17799. *Eriogonum ovalifolium*
var. *nivale*.

17800. *Draba Lemmonii*

17801. *Allium parvum*.

17802. *Primula suffrutescens*

17803. *Asplenium septentrionale*!

In deep crevices of ^{vertical} granite
rock with new exposures. Common
enough in the series of crevices
but not seen elsewhere.

17804. *Stipa Littmannii*

17805. *Lewisia pygmaea*

17806. *Saxifraga nuda*

Aug. 7, 1942.

Columbine Lake, Inland Co.

17807. *Juncus americana*
var. *californica*

17808. *Fritillaria punctatum*
Bulbs with rice grains

17809. *Poa* ~~sp.~~

17810. *Poa* ~~sp.~~

"

"

17811. *Poa* ~~sp.~~

17812. *Poa* ~~sp.~~

17813. *Poa* ~~sp.~~

17814. *Carex prostrata*

17815. *Carex stramineiformis*

17815A. *Carex phaeocephala*

Aug. 7, 1942.

Sawtooth Pass, Inland Co.

17816. *Saxifraga Tolmiei*

17817. *Aquilegia pubescens*.

Between Sawtooth Pass and Mineral
King, Inland Co.

17818. *Cory Jovianula*

17819. *Potentilla Drummondii*

17820. *Lupinus Pavonii*

17821. *Zauschneria latifolia*

17822. *Pellaea Bridgesii*

17823. *Rhamnus rubra* ssp.
yosemitana

17824. *Achillea lanulosa*.

Aug. 8, 1942.

Near Mineral King on trail
to Fennell Gap, Inyo Co.

17825. *Heracleum lanatum*.

17826. *Valeriana californica*.

17827. *Rumex utahensis*?

17828. *Geranium Richardsonii*

17829. *Potentilla gracilis* ssp.
Nuttallii

17830. *Gentiana heliopetala*.

17831. *Artemisia Douglasiana*

17832. *Polygonum savatcheri*.

Aug. 8, 1942.

North side of Farewell Gap, Inyo Co.

17833. *Veronica alpina* var.

altimiflora.

17834. *Epilobium anagallidifolium*

17835. *Sibbaldia* - *Potentilla*

Sibbaldii

17836. *Gentiana calycosa*.

17837. *Veronica serpyllifolia*.

17838. *Carex spectabilis*

17839. *Barbarea orthoceras*

17840. *Draba stenoloba* var. *nova*

17841. *Ranunculus Eschscholtzii*

17842. *Lupinus dasyphyllus*.

Aug. 8, 1942.

North side, Farewell Gap, Inland Co.

17843. *Streptanthus tentaculatus* var.
flavescens.

17844. *Epilobium obcordatum*

17845. *Potentilla Drummondii*

Farewell Gap, Inland Co.

17846. *Eriogonum compositum*

17847. *Antennaria Tanacetum canum*.

17848. *Erythronium perenne*
Type locality.

17849. *Oxyria digyna*

17850. *Aquilegia pubescens*.

17851. *Lupinus hypoleucis*.

Aug. 8, 1942.

17852. *Lupinus hypoleucis* x ^{*leucophyllus*} *Covillei*.

Probably a hybrid between
No. 17842 & preceding.

17853. *Lupinus hypoleucis*.
Flowers smaller.

17854. *Crepis nana*

17855. *Arabis Lemmonii*

17856. *Polemonium eximium*

17857. *Eriogonum incanum*

South side, Farewell Gap.

17858. *Astragalus Bolanderi*.

17859. *Senecio Fremontii* var.
occidentalis

Mineral King, Inland Co. Aug 8, 1942.

17860 *Gentiana Anabella* var.
acuta.

East side of Mt. Tamalpais at
head of Baltimore Canyon, Marin Co.
Aug. 16, 1942.

17861. *Habenaria* ~~montana~~

East side of Oakland Hills between
Round Top and Redwood Park,
Contra Costa Co. Aug. 23, 1942.

17862. *Habenaria* ~~montana~~

Flowers greenish-white, faintly
fragrant.

17863. *Ribes Victoris Greene*
Northside Trail, Mt. Tamalpais
above Lake Lagunitas, Marin
Co. Sept. 6, 1942.

17864. *Garrya rigida* Estw.
On rocky semi-open slopes
near the preceding. Sept. 6, 1942.

17865. *Cordylanthus*
Wooded hillsides, Fairfax,
Marin Co. Sept. 13, 1942.

17866. *Navarretia*
Trail to Caran Ridge above
Cascade Canyon, Marin Co.
Sept. 13, 1942.

17867. *Epilobium paniculatum* ~~typicum~~
Caran Ridge, Marin Co.
Sept. 13, 1942.

17868. *Amaranthus hybridus*

17869. *Amaranthus gracilis*

17870. *Amaranthus deflexus*

all from Fairfax, Marin Co. Sept. 13-42

Under *Pinus ponderosa* at
Charlton Flat, San Gabriel Mts.,
Los Angeles Co. Oct. 19, 1942.

17871. *Cuscuta californica*

On *Eriogonum Wrightii*.

var. *mollis*

17872. *Arctostaphylos glandulosa*,ⁿ

Branchlets + young inflorescence
canescent-pubescent. Pedicels +
fruits sparsely pubescent. Tall
shrub 6-8 ft. tall.

var. *mollis*

17873. *Arctostaphylos glandulosa*,ⁿ

a greener plant than the
preceding but otherwise like
it.

var. *mollis*

17874. *Arctostaphylos glandulosa*,ⁿ

Differing from the two preceding
in the hirsute hairs on branches
and petioles.

These three mangonitos grew in a
thicket close together. Frank Parion
thought at first they were patula
but the pubescence of the fruit,
petioles + inflorescence precludes
that. Then he thought they were
Paryana, however there are usually
1 or 2 separate nutlets in each fruit
beside the larger "stone". I told
him they might be a non-glandular
form of glandulosa. Because of
the density of the thicket + the deep
hums around the bases of the plants
it was not possible to determine if
they stump-sprouted. But along
the highway a few hundred yards
east of Charlton Flat were scrubby
(1.5-3 ft. tall) mangonitos on a
logback and here it was evident
that the plants stump-sprouted.
I think the plants were the same

as the Charlton Flat plants but unfortunately I didn't collect any.

On the day following at Pomona College plants corresponding to the Charlton Flat plants were found to have been annotated Parriziana var. pinnatum (Rollins) by Bergh Schreiber.

In the Academy Herb. similar plants from the San Gabriel Mts. are "glabrescens var." acc. Miss Eastwood.

Acc. to Lemmon's original description of Parriziana the pedicels were woolly and the fruit glabrous, and of course, the nutlets united into a single stone.

- Oct. 31, 1942.

17875. *Cheilanthes californica*

Crevices of rocks along trail, Bootjack canyon near the bridge, Mt.

Tamalpais, Marin Co. Jan. 1, 1943.

17876. *Ribes Victoris*

At the station on Northside trail, Mt. Tamalpais, where nos. 17033 + 17863 were collected. Now the fruit is perfectly ripe: in color purplish-red and distinctly flattened above and below. The pulp is sweet and has a mild but pleasing flavor. An average fruit is about 9 mm. long + 11 mm. thick. Jan. 17, 1943

17877. *Cheilanthes intertexta*

Crevices of rocks along trail between Collier Springs and Rifle Camp in serpentine area but apparently not on serpentine itself. Mt. Tamalpais, Jan. 17, 1943.

Mar. 7, 1943.

Hills northeast of San Rafael,
Marin Co.

17878. *Plagiobothrys tenellus*

17879. *Sagina apetala*
var. *hastata*

17880. *Arctostaphylos Menziesii*

17881. *Arctostaphylos Cushingiana*

17882. *Cheilanthes intertexta*.

17883. *Arctostaphylos Cushingiana*.

A number of plants of *Ribes* were found in bloom on the northeastern slope of the hills in the same region where specimens were collected in fruit in 1941. The flowers exhibited great variation in the color of sepals, these varying from

Mar. 7, 1943.

pale greenish to deep red. There was no other apparent difference between the plants which grew close together under same conditions.

This variation in color is what Miss Entwistle found at the type locality of R. Victoris so the color of the sepals is not enough to separate Victoris from leptocarpum.

17884. *Ribes Victoris*

Sepals pale greenish, sometimes faintly rose-tinged.

17885. *Ribes Victoris*

Sepals deep red, sometimes greenish near tips.

17886. *Ribes Victoris*

Colors of sepals intermediate between two preceding.

17887. *Ribes Victoris*

In shape flower more like the
"Victoris" from the Northside Trail
on Mt. Tonalpois - flower larger
and broader than in preceding.
Color intermediate.

17888. *Ribes Victoris*

On Northside Trail, Mt. Tonalpois
where No. 17876 and other collections
have been made. Sepals green and
red on same plant. Mar. 14, 1943.

17889. *Collitriche Bolanderi*

In stream in Potrero Meadows,
Mt. Tonalpois, Marin Co.
Mar. 14, 1943.

17890. *Montia fontana*

Wet stream-bank, Potrero Meadows
Mt. Tonalpois. Mar. 14, 1943.

17891. *Sagina occidentalis*

Jibson Pinnacles near south
end, Marin Co. Apr. 3, 1943.

17892. *Mimulus Douglasii*

On rocky slopes near the preceding.
All of the plants except one
cleistogamous. Apr. 3, 1943.

Apr. 11, 1943.

17893. *Sagina aptala* var. *barbata*

No petals. Street weed, San Rafael.

17894. *Rubus vitifolius* var. *florus*

Flowers perfect. Lower part of Black
Canyon, San Rafael hills.

17895. *Jasxacum laevigatum*

With prickling.

Black Canyon, San Rafael hills,
Marin Co. Apr. 11, 1943.

17896. *Sagina occidentalis*

17897. *Poa serotina*

Shallow soil of rocky slope in
partial shade.

17898. *Carex gracilis*

Forming a large clump.

17899. *Filago californica*

17900. *Silene antirrhina*
var. *divaricata*

17901. *Cryptantha*

17902. *Apocynum angustifolium*

17903. *Linanthus*

Corolla white

- 17904A. *Thelypodium lasiophyllum*
17904. *Thelypodium lasiophyllum*
var. *indianum*
17905. *Plectritis*
17906. *Melica geyeri*
17907. *Lithophragma heterophyllum*
17908. *Plectritis*
17909. *Orobanch*
17910. *Collinsia*
17911. *Thysanocarpus laciniatus*
var. *crenatus*
17912.
17913. *Poa Howellii*
17914. *Calandrinia Breweri*

Black Canyon, San Rafael
Hills, Marin Co. Apr. 17, 1943.

17915. *Ribes Victoris*

From same bushes as No. 17884 -

17887.

17916. *Linnaea*

17917. *Orthocarpus*

17918. *Ranunculus, hebecarpus*

17

17919. *Poa acuticella*

17

17920. *Festuca dentemensis*

17

17921. *Micropus amphibolus* !!!

17

= *Styloschis*

17922. *Juncus erecta*

17

Hills immediately east of Agua
Caliente, Sonoma Co. Apr. 18, 1943.

17923. *Cheilanthes siligiosa*
The type with interrupted sori.

17924. *Festuca Eastwoodae*

17925. *Juncus Kelloggii* (OK)
-

17926. *Sagina*

Sidewalk crevices, Filbert St.
between Potte and Lorber. ^{Apr} Det. 18, 1943.

17927. *Athyrium punctatum*

Big Casm, Marin Co. May 2, 1943.

17928. *Poa ^{trivialis} ~~trivialis~~* - Det. Beetle.

Big Casm, Marin Co. May 2, 1943.

17929. *Melica subulata*

Big Casm, Marin Co., May 2, 1943.

17929 A. *Carex tumulicola*

May 2, 1943.

near Warm Spring in Big Caram Canyon,
Marin Co.

1 17930. *Festuca Grayi*.

Scabrella - det. Howell!

1 17931. *Poa secunda* - Det. Beetle.

Shallow soil on rocks.

17932. *Trifolium dichotomum*

1 Shallow soil on steep grassy hillside.

17933. *Trifolium Macraei*

1

17934. *Trifolium albopurpureum*

1

17935. *Carex densa*

1

17936. *Carex subfusca*

1 Only 1 plant seen.

1

17937. *Montia gypsophila*

Carmen Ridge, Marin Co. May 2, 1943.

17938. *Micropus amphibolus*

Above the cascades of San Anselmo
Creek, Marin Co., May 2, 1943.

17939. *Carex tenuicarpa*

San Anselmo Creek Canyon, Marin
Co. May 2, 1943.

San Rafael, Marin Co. May 9, 1943.

17940. *Bromus tectorum*

Along railroad near station.

17941. *Allocazys*

Along sidewalk parking.

17942. *Trifolium dubium*

Near parking.

May 9, 1943.

San Rafael, Marin Co.

17943. *Elymus glaucus*

Large clumps in vacant lot.

Plants entirely green.

17944. *Elymus glaucus*

With preceding in smaller clump.

Plants glaucous.

17945. *Lupinus micranthus*

Along street leading to Black Canyon:

17946. *Minulus*

17947. *Poa pratensis*

17948. *Grapholium luteo-album*

17949. *Isoetes*

In moist soil of parkway; the plants small. Corn 3-lobed.

May 9, 1943.

Black Canyon, hills ne. of San
Rafael, Marin Co.

17950. *Carex globosa*

In woods in lower part of canyon

17951. *Deschampsia elongata*

Where water stood in depression

17952. *Festuca Elmeri*

In dry shaded woodland.

17952A. *Trisetum cuneatum* - with ^{to} 17952

In rocky places near falls:

17953. *Elymus glaucus*

17954. *Bromus laevipes*

17955. *Bromus carinatus*

17956. *Grapholium californicum*

17956A. *Stipa lepidota*.

May 9, 1943.

In chaparral or in upper part
of Black Canyon, San Rafael Hills,
Marin Co.

17957. *Castilleja*

17958. *Godekia amara*

Inflorescence drooping in bud.

17959. *Castilleja*

17960. *Agrostis dieganensis*

Summit of San Rafael Hills at head of

Black Canyon, Marin Co.

17961. *Festuca Myuros*.

17961A. *Festuca megala*

17962. *Festuca dentonensis*

17963. *Festuca idahoensis*

May 9, 1943.

17964. *Elymus glaucus japonicus*

17965. *Agrostis Hallii*

17966. *Danthonia californica*

17967. *Trifolium variegatum*

17968. *Trifolium bifidum*

17969. *Trifolium gracilentum*

Summit of San Rafael Hills ne. & n.
of Black Canyon, Marin Co.

17970. *Scutellaria*

17971. *Lupinus bicolor*

17972. *Bromus carinatus*

17973. *Festuca dentemensis*

May 9, 1943.

Summit of San Rafael hills ne. +
w. of Black Canyon, Marin Co.

17974. *Githopsis*

17975. *Styloscline graphaloides*

17976. *Streptanthus secundus*

Claw and midrib of blade violet,
the rest of blade white.

17977. *Gilia*

Corolla very pale lavender.

17978. *Antirrhinum*

17979. *Vicia*

17980. *Godetia quadrivulva*

17981. *Agoseris heterophylla*
var. *lyonensis*

May 9, 1943.

17982. *Melica Torreyana*

17983. *Silene antirrhina*

17984. ^{*Crotophaga*}
Microcaris } *linearifolia*

17985. *Sagina occidentalis*

17986. *Penstemon*

17987. *Lupinus formosus*

In grassland on open hills

17988. *Trifolium Macraei*

May 10, 1943.

About 1 mile n. of Windsor, Sonoma Co.
in low field where water stood.

17989. *Baccharis fremontii* (Don.) Gray.

17990. *Trifolium grayi* Loja.

About $1\frac{3}{4}$ mile n. of Windsor, Sonoma Co.

17991. *Carex densa* Bailey.

Two mi. n. of Windsor, Sonoma Co.

17992. *Vicia benghalensis* L.

17993. *Compositum utriculatum* var.

anthemifolium Jeps.

Healdsburg, Sonoma Co.

17994. *Malva sylvestris* L.

In vacant lot.

About 1 mile s. of Cloverdale, Sonoma Co.

17995. *Parentucellia viscosa* (L.) Car.

May 10, 1943.

Chaparral-covered hills, 7 miles from
Lakeport on road to Hopland, Lake Co.

17996. *Salix Lemmonii* - fide Baker
after det. of Ball.

17997. *Scribneria Bolanderi*.

17998. *Linnanthus pygmaeus*

17999. *Gnaphalium humile* Juss.

18000. *Lemmonia californica* Gray.

18001. *Lotus crassifolius* (Bth.) Greene.
Stems ca. 4 ft. tall, fistulose.

Open rocky slopes 5 miles from Lakeport
on road to Hopland, Lake Co.

18002. *Micropus amphibolus* Gray

18003. *Stylocline gnaphaloides* Nutt.

May 10, 1943.

Open rocky hills 5 miles from Lohpant
on road to Hopland, Lake Co.

18004. *Godetia epilobioides* var.
modesta (Jeps.) Jeps.

18005. *Luzia septentrionalis* - fide Baker

18006. *Collinsia corymbosa* - fide Baker.

18007. *Tomatium*

18008. *Cryptantha dissecta* - Type locality.

18009. *Calycadenia truncata* - n. var.
Rays lemon-yellow.

18010. *Frillella Pringlei*.

18011. *Sedella pentandra* H.K. Shreve.

May 11, 1943.

Serpentine hill 1 mile south of
Lakeport, Lake Co.

18012. *Ageris heterophylla* var.
californica (Nutt.) Jeps.

18013. *Trifolium olivaceum*.

18014. *Microseris Douglasii*

18015. *Phacelia* ~~agave~~

Stems and inflorescence glandular
and odorous. Corolla whitish, open-
compoundate, the lobes erect.

18016. *Streptanthus barbiger* Greene.

18017. *Cryptantha dissita* Jtn

18018. *Astragalus Breweri* Gray

18019. *Poa scabrella* (Thunb.) Benth.

May 11, 1943.

Serpentine hill, 1 mile north of
Lakeport, Lake Co.

18020. *Festuca pacifica* Piper.

18021. *Festuca Grayi* (Abrams) Piper

18022. *Festuca Grayi* Piper

18023. *Festuca Eastwoodae* Piper

Roadside ditch, 1 mile north of
Kelseyville, Lake Co.

18024. *Carex breviligulata* Mkyz

18025. *Carex gracilior* Mkyz.

18026. *Carex subfusca* W. Britt ?

18027. *Carex feta* Bailey

May 11, 1943.

Grassy ridge 2 miles south of
Kelleyville, Lake Co.

18028. *Lupinus albifrons* var.

18029. *Trifolium obtusiflorum* Hook.

18030. *Trifolium dichotomum* H. & A.

Floets where water has stood, 8.9 miles
south of Kelleyville, Lake Co.

18031. *Juncus* ^{*hemisphaeroides*} ~~*umbellatus*~~ Greene.

18032. *Juncus sphaerocarpus* Nees.

18033. *Juncus Kelloggii* Engelm.

18034. *Polygonum Kelloggii* Greene.

18035. *Hummingia crispata* -

file M.S. Boker after Hove's det.

May 11, 1943.

Flats where water stood, 8.9 miles
south of Kelseyville, Lake Co.

18036. *Allocarya sublobata* Small

18037. *Sedella leiocarpa*

Type + only known locality!

18038. *Eleocharis paniculata* var.
Sukedorfiana.

18039. *Mimulus angustatus*
growing with *M. tricolor*.

18040. *Microseris acuminata* Greene.

18041. *Polygonum Parryi* Greene

In chaparral near preceding:

18042. *Cryptantha microbachne* Johnston.

18043. *Arctostaphylos pulchella*.

May 11, 1943.

Lower Lake, Lake Co.

18044. *Lupinus densiflorus*
var. *Menziesii*

Serpentine hill, 2.9 miles n. of
Middletown, Lake Co.

18045. *Minimus Layneae*.

18046. *Delphinium virginicum*
Curran.

18047. *Allocarya stricta* Greene.

18048. *Cryptantha bipidula*

18049. *Streptanthus Breweri* Gray.

18050. *Modia Hallii* Keck.

18051. *Linum Clevelandii* Greene.

18052. *Penstemon montanus* Greene.

May 11, 1943.

Serpentine hill, 2.9 miles n. of
Middletown, Lake Co.

18053. *Melica Torreyana*

18054. *Streptanthus glandulosus* Nutt.

18055. *Festuca californica* Vasey.

18056. *Bromus laevipes* Shear.

18057. *Collinsia Greenei* Gray.

18058. *Lagophylla dichotoma*

18059. *Cypripedium bipindula*

18060. *Convolvulus malacophyllus*
Greene.

18061. *Phacelia* ~~sp.~~

Stems glandular + odorless, the
inflorescences lying prostrate on the

May 11, 1943.

ground!

18062. *Phacelia* ~~sp.~~

Similar to preceding but stems erect
& fruiting sepals purplish-red - instead
of yellowish-green!

18063. *Agrostis exarata* var. *moslepis*

18064. *Chaenactis glaberrima* var.

18065. *Campanula angustiflora*
var. *exilis*.

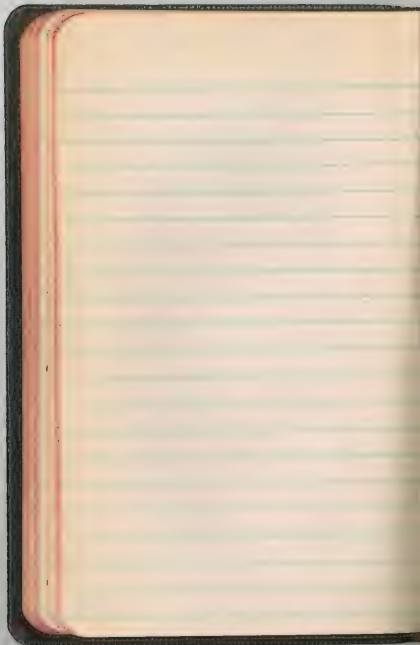
Mineral Mine south of Middleton

18066. *Fremontia nopensis* Eastw.

S. side Mt. St. Helena, Napa Co.

18067. *Reseda luteola* L.

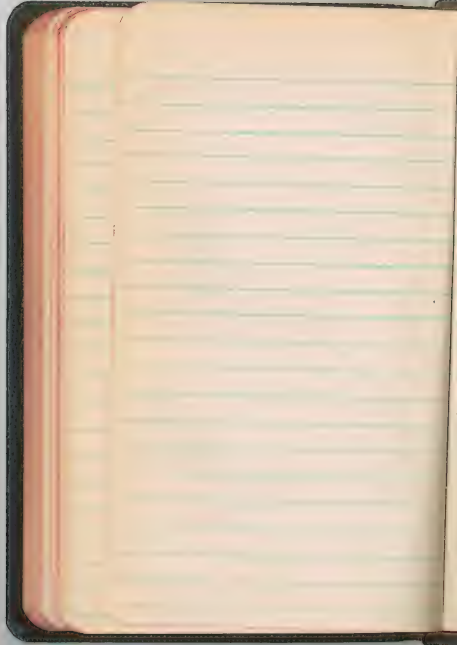
The preceding 80 numbers collected on a
most enjoyable & memorable trip with M. S. Baker

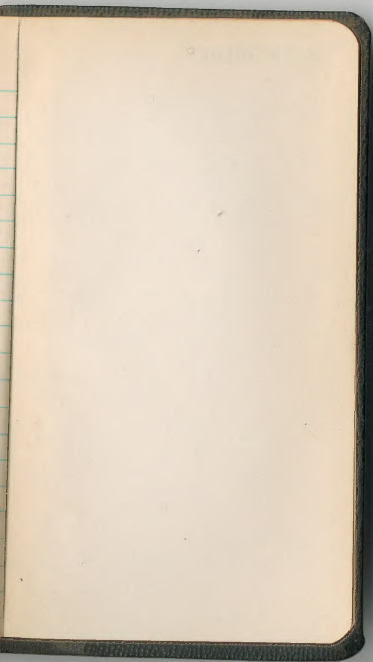












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